

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims:

1. **(Currently Amended)** A black composition comprising as indispensable components a titanium nitride oxide, a resin and a solvent; wherein X-ray intensity ratios R_1 and R_2 represented by the Equations (1) and (2) below, respectively, satisfy the relationships represented by Formulae (3) and (4) below:

$$R_1 = I_3 / \{I_3 + 1.8(I_1 + 1.8I_2)\} \quad (1)$$

$$R_2 = I_2 / I_1 \quad (2)$$

$$R_1 > 0.70 \quad (3)$$

$$0.85 < R_2 < 1.80 \quad (4)$$

wherein I_1 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ , determined by using $\text{CuK}\alpha$ line as the X-ray source, is 25° to 26° ,

I_2 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ is 27° to 28° ,

I_3 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ is 36° to 38° , and

wherein a black coating film obtained from said black composition has an optical density (OD value) of not less than 4.4 per 1 μm of film thickness,

wherein the transmittance of i-ray through a resin black matrix obtained from said black composition is more than 0.2% when the OD value is 2.0, and

wherein the minimum exposure energy required for photo-curing is not more than 60 mJ/cm^2 .

2. **(Original)** The black composition according to claim 1, wherein said X-ray intensity ratio R_1 is not less than 0.80.

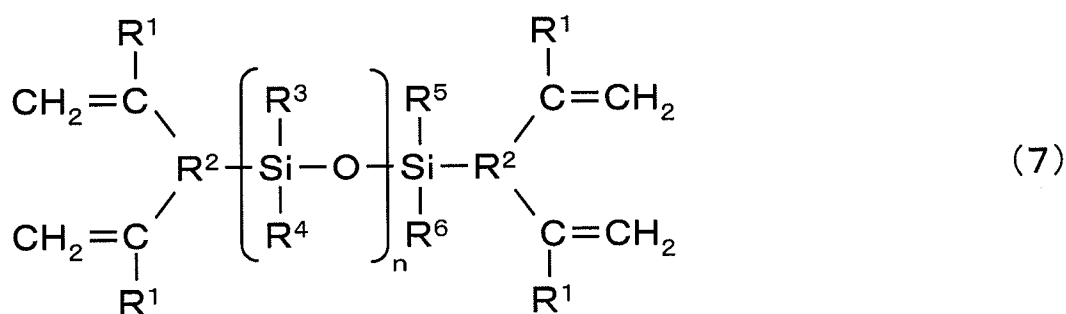
3. **(Previously Presented)** The black composition according to claim 1, wherein said solvent has a boiling point of 120°C to 180°C, and a viscosity of 3 $\text{mPa}\cdot\text{s}$ to 10 $\text{mPa}\cdot\text{s}$.

4. **(Previously Presented)** The black composition according to claim 1, wherein said resin is at least one selected from the group consisting of an acrylic resin and a polyimide resin.

5. **(Previously Presented)** The black composition according to claim 1, further comprising an organosilane hydrolysis condensate.

6. **(Previously Presented)** The black composition according to claim 1, further comprising a compound having a siloxane bond and a carbon-carbon double bond in a single molecule and having no silanol group.

7. **(Previously Presented)** The black composition according to claim 6, wherein said compound having a siloxane bond and a carbon-carbon double bond in a single molecule and having no silanol group has the structure represented by the following Formula (7):



wherein each R^1 independently represents hydrogen or alkyl group; each R^2 independently represents an organic group containing amide bond, imide bond, ester bond or urethane bond; R^3 to R^6 independently represent alkyl group; and n represents an integer of 1 to 3.

8. **(Previously Presented)** The black composition according to claim 1, wherein the weight ratio of said titanium nitride oxide to said resin is within the range between 75/25 and 60/40.

9. **(Previously Presented)** The black composition according to claim 1, further comprising carbon black.

10. **(Cancelled)**

11. **(Previously Presented)** A black composition comprising as indispensable components a titanium nitride oxide and a resin; wherein X-ray intensity ratios R_1 and R_2 represented by the Equations (1) and (2) below, respectively, satisfy the relationships represented by Formulae (3) and (4) below:

$$R_1 = I_3 / \{I_3 + 1.8(I_1 + 1.8I_2)\} \quad (1)$$

$$R_2 = I_2 / I_1 \quad (2)$$

$$R_1 > 0.70 \quad (3)$$

$$0.85 < R_2 < 1.80 \quad (4)$$

wherein I_1 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ , determined by using $\text{CuK}\alpha$ line as the X-ray source, is 25° to 26° , I_2 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ is 27° to 28° , I_3 represents the maximum diffraction intensity of the titanium nitride oxide when the angle of diffraction 2θ is 36° to 38° ; and wherein the transmittance of i-ray when the optical density (OD value) is 2.0 is more than 0.2%.

12. **(Original)** The black coating composition according to claim 11, wherein said X-ray intensity ratio R_1 is not less than 0.80.

13. **(Previously Presented)** The black coating composition according to claim 11, wherein said resin is at least one selected from the group consisting of an acrylic resin and a polyimide resin.

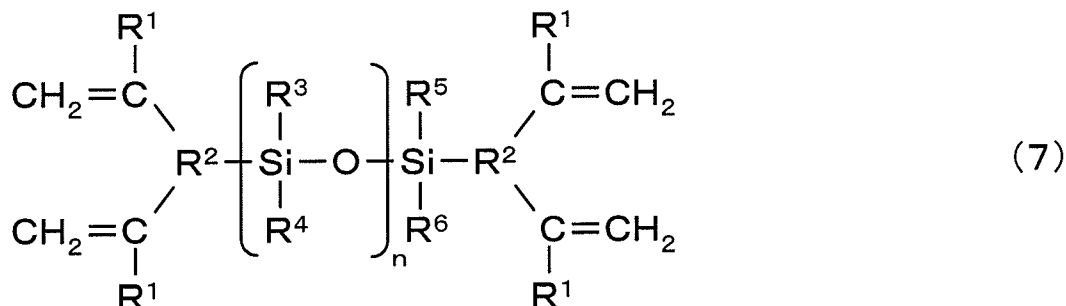
14. **(Previously Presented)** The black coating composition according to claim 11, wherein the weight ratio of said titanium nitride oxide to said resin is within the range between 75/25 and 60/40.

15. **(Previously Presented)** The black coating composition according to claim 11, which has an optical density (OD value) of not less than 4.4 per 1 μm of film thickness.

16. **(Cancelled).**

17. **(Previously Presented)** The black coating composition according to claim 11, further comprising a compound having a siloxane bond and a carbon-carbon double bond in a single molecule and having no silanol group.

18. **(Previously Presented)** The black coating composition according to claim 17, wherein said compound having a siloxane bond and a carbon-carbon double bond in a single molecule and having no silanol group has the structure represented by the following Formula (7):



wherein each R^1 independently represents hydrogen or alkyl group; each R^2 independently represents an organic group containing amide bond, imide bond, ester bond or urethane bond; R^3 to R^6 independently represent alkyl group; and n represents an integer of 1 to 3.

19. **(Previously Presented)** The black coating composition according to claim 11, further comprising carbon black.

20. **(Previously Presented)** A resin black matrix obtained from said black coating composition according to claim 11.

21. **(Original)** A color filter for liquid crystal displays, which color filter comprises said resin black matrix according to claim 20.

22. **(Original)** A liquid crystal display comprising said color filter for liquid crystal displays, according to claim 21.

23. **(Previously Presented)** A resin black matrix obtained by exposing and developing a black coating film obtained by coating said black composition according to claim 1 on a substrate.

24. **(Previously Presented)** A color filter for liquid crystal displays, which color filter comprises said resin black matrix according to claim 23.

25. **(Previously Presented)** A liquid crystal display comprising said color filter for liquid crystal displays, according to claim 24.

26. **(Previously Presented)** The black composition according to claim 1, further comprising a photopolymerizable monomer and a photoinitiator.